UCLouvain

Secteur des Sciences et Technologies Calcul Intensif et Stockage de Masse



Connecting to Cluster Olivier Mattelaer

SSH: Concept clef

- SSH se connecte grace a deux fichiers:
 - ➡ La clef publique:
 - Installée a l'avance sur différentes machines.
 - La clef privée:
 - Est le moyen d'identification
 - Doit être gardée secrete
- Pour empêcher les accès indésirables, la clef est cryptée par une passphrase







2022

FAQ



Consortium des Équipements de Calcul Intensif

6 clusters, 10k cores, 1 login, 1 home directory

CÉCI Login Management



create an account

You are about to request an account on the CÉCI clusters.

The first step is to enter your email address. You will recieve an email with a link to an online form which you will have to fill and submit.

Once your request has been approved, you will receive proper information on how to access the CÉCI clusters.

renew my account

join an existing project

create an account

My email address:



Send









Front-End interface utilisateur manneback.cism.ucl.ac.be









Front-End interface utilisateur manneback.cism.ucl.ac.be



Home or your office





Front-End interface utilisateur manneback.cism.ucl.ac.be



Home or your office







Front-End interface utilisateur manneback.cism.ucl.ac.be

FireWall



Gateway Point d'accès gwceci.cism.ucl.ac.be



Home or your office





SSH tools for windows

Putty

- Only ssh connection
- No file transfer, bad support of key
- MobaXterm
 - Very easy
 - Both connection and file transfer

VSCode

- Based on openssh, connection, file transfer and text edition, no graphical server
- OpenSSH on Windows (since 2018)
 - Linux like experience
 - Configure for free if using VSCode

MobaXterm

• Live demo

• Demo also available on YouTube:

- https://youtu.be/o41r0mFaURU
- Screen-shot available here

Configure mobaxterm

1) Save you	ur id_rsa.cec	i key file	from your e-	mail in a s	safe location			
2) Click on	Session	MobaXtern Terminal Ses MobaXtern Session Serv Outick con	and SSH	Session settings				
3) Add the I	Remote host							
Remote host * hmem.cism.ucl.ac.t Specify username username								
4) Select Advanced SSH Setting tab								
5) Select us	se private ke	y and bro	owse for you	r id_rsa.co	eci file			
	Use private key							

Depending of your version of mobaxterm/configuration it might ask you the passphrase already now

- Remote host options:
 - maneback.cism.ucl.ac.be

Gateway configuration Need to go trough a gateway!

Network settings

Advanced SSH settings	Terminal settings	☆ Network settings ★ Bookmark settings	ttings
		SSH gateway (jump host)	CLICK HERE
Proxy settings (experience) Proxy type: None	erimental) e v Host:	Login: Port	t: 1080

- Gateway to use:
 - gwceci.cism.ucl.ac.be
 - Provide the same key for identification

You can now connect to the cluster

CLICK HERE



You are now connected



SSH AGENT for MobaXterm

×

Save your passphrase locally and let MobaXterm fill it for you!

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